

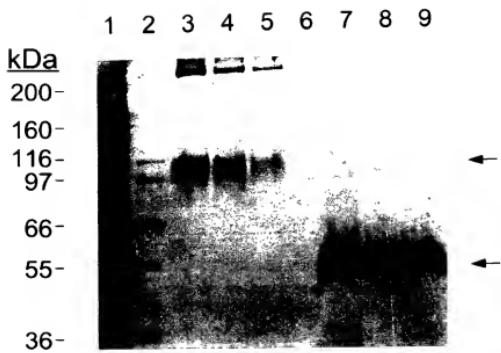
1

**FIG. 2A**

hapo2LI	34 D C A G D - - - F H K K I G L F C R G C P A G H Y I L K A P C T E P C G N S S T C L - - -	72 V C P Q D - - - T F L A W E N H H S E C A R C - Q A C D E Q A S Q V A L E N C S A A V D T R C G - - -
hINFR1	43 V C P Q G K - - - Y I H P Q N N S I C C T K G T Y L Y N D C P G P G Q D T D C R - - -	83 E C E S G - S F T A S E N H L R H C L S C - S K C R K E M G Q V E I S S C T V D R D T V C G - - -
hINFR2	39 T C R L R E - - - Y Y D Q T A Q O M C C S K C S P G O H A K V F C T K T - S D T V C D - - -	77 S C E D S T Y T Q L W N W Y - P E C L S C G S R C S S - - D Q V E T Q A C T R E Q N R I C T - - -
hINFRP	42 T C R D Q E K E - - - Y Y E P Q H R I C C S R C P P G T Y V S A K C S R I - R D T V C A - - -	82 T C A E N S Y N E H W N Y L - T I C Q L C - R P C D P V M G L E E I A P C T S K R K T Q C R - - -
hfAS/Apo1	46 N L E G L - - - - - H H D G Q F C H K P C P P G E R K A R D C T V N G D E P D C V - - -	84 P C Q E G K E Y T D K A H F S S K C R R C - R L C D E G H G L E V E I N C T R Q N T K C R - - -
hLNGFR	31 A C P T G - - - - - L Y T H S G E C C K A C N L G E G V A Q P G A - - N Q T V C E - - -	66 P C L D S V T F S D V U S A T E P C K P C - T E C V G L - - Q S M S A P C V E A D D A V C R - - -
hCD40	25 A C R E K - - - - - Q Y L I N S O C C S L C O P G Q K L V S D C T E F - T E T E C L - - -	61 P C G E S E F L D T W N R E - T H C H Q H - K Y C D P N L G L R V Q Q K G T S E T D T - - -
hCD27	26 S C P E R - - - - - H Y W A Q G K L C C O M C E P G T F L V K D C D Q H R K A A Q C D - - -	64 P C I P G V U S F S P D H H T R P H C E S C - R H C N S G L L V R - - - N C I T A N A E C A - - -
hCD30	28 T C H G N P S H - - - Y Y D K A V R R C C Y R C P M G L F P T Q Q C P Q R - - P T D C R K - - -	68 Q C E P D - Y Y L D E A D R - - C T A C - V T C S R D D L V E K T - P C A W N S S R V C E - - -
hox40	30 H C V G D T - - - - - Y P S N D R C C H E C R P G N G M V S R C S R S - Q N T V C R - - -	66 P C G P G - F Y N D V V S S K P - C K P C - T W C N L R S G S E R K O L C T A T Q D T V C R - - -

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FIG. 2B



**FIG. 3**

1 CGGGCCCTGC GGGGGGGGGG CTTGAGGGGG AACCAAGGAGC GGCAGAGGC ACGGAGCCGG  
 61 GAAGCCCCCTG GGGCCCCGTC GAGGGCTAT GGAGGAGGG CGCGGGGGT GCGGGGGGT  
 1 M E Q R P R G C A A V  
 121 GGGGGGGGG CTTCTCTCTGG TCTGCTGGG GGGCCGGGG CAGGGGGGA CTGCTAGGCC  
 12 A A L L V L L G A R A Q G G T R S P  
 181 CAGGTGTGAC TGTCCGGGTG ACTTCCACAA GAAGATTTGT CTGTTTGTG GCAGAGGGCTG  
 32 R C D C A G D F H K K I G L F C C R G C  
 32 R C D C A G D F H K K I G L F C C R G C  
 241 CCCAGGGGG CACTACCTGA AGGGCCCTTG CACGGAGCCC TGCGGCAACT CCACCTGCCT  
 52 P A G H Y L K A P C T E P C G N S T C L  
 301 TGTGTGCC CAAAGACACTT TCTTGCCCTG GGAGAACAC CATAATTCTG ATGTGCCCC  
 72 V C P Q D T F L A W E N H H N S E C A R  
 361 CTGCCAGGCC TGTATGAGC AGGCCTCCCA GTTGGCCCTG GAGAATCTGT CAGCACTGGC  
 92 C Q A C D E Q A S Q V A L E N C S A V A  
 421 CGACACCCGC TGTGGCTGA AGCCAGGCTG GTTGTGGAG TGCCAGGTCA GCGATGTGT  
 112 D T R C G C K P G W F V E C Q V S Q C V  
 481 CAGGAGTTCA CCCTCTACT GCCAACCTG CCTAGACTGC GGGGCCCTGC ACCGCCACAC  
 132 S S S P F Y C Q P C I D C G A L H R H T

FIG. 4A

541 ACGGGTACTC TGTCCCGCA GAGATACTGA CTGTCGGACC TGCCCTGCCTG GCCTCTATGA  
 152 R L L C S R R D T D C G T C L P G F Y E  
 601 ACATGGCAT GGCTGGCTGT OCTGGCCAC GAGCACCTGT GGGAGCTGTC CAGAGGGCTG  
 172 H G D C V S C P T S T L G S C P E R C  
 661 TGCCGCCCTTC TGTTGGCTGA GGCAGATGT CTGGGTCAAG GTGGCTCTGG CTGGCCCTGT  
 192 A A V C G W R Q M F W V O V L I A G L V  
 721 GGTCCCCCTTC CTGCTTGCCC CCACCTGAC CTACACATAC CGCCCATGCT GCCCTCACRA  
 212 Y P L L G A T L T Y T X R H C W P H K  
 781 GCCCCCTGGTT ACTGAGATG AAGCTGGAT GGAGGCTGT ACCCCACAC CGGCCACCCA  
 232 P L V T A D E A G M E A L T P P P A T H  
 841 TCCTGTACCC TTGACAGCC CCCACACCTCTAGACCT CCTAGACCA GTGAGAGAT  
 252 L S P L D S A H T L L A P P D S S E K I  
 901 CTGCACTGTC CAGTTGGTGG GTAACAGCTG GACCCCTGGC TACCCGAGA CCCAGGGCC  
 272 C T V Q L V G N S W T P G Y P E T Q E A  
 961 GCTCGCCCG CAGGTGACAT GGTGCTGGAA CCAGTTGGCC AGCAGAGCTC TTGGCCCCC  
 292 L C P Q V T W S W D Q L P S R A L G P A  
 1021 TGCTGCCCC ACACCTGSC CAGAGTCCCC AGCCGGCTCG CCAGCCATGA TGCTGCGACCC  
 312 A A P T L S P E S P A G S P A W M L Q P

**FIG. 4B**

1081 GGGCCCGGAG CTCCTACGAGC TGATGGACGC GGTCGCCAGCG CGGCCCTGGA AGGAGCTGGT

332 G P Q L Y D V M D A V P A R R W K E F V

1141 GGGCACGGTCG GGGCTGGCG AGGCAAGAGAT CGAAGCGTG GAGGTGAGA TCGGCCGCTT

352 R T L G L R E A F I E A V E V E T G R F

1201 CCGGACCG CAGTACGAGA TGCTCAAGCG CTGGCGCAG CAGGACCG CGGCCCTGG

372 R D Q Y E M L K R W Q Q P A G L C

1261 AGCCGTTAC GGGCCCTGG AGGCCATGG GCTGGACGCC TGCTTGAAG ACTTGCGAG

392 A V Y A A L E R M G L D G C V E D L R S

1321 CGGCCCTGGAG CGCGCCCCGT GACACGGGCC CCACCTGCCA CCTAGGGCT CTGGTGGCC

412 R L Q R G F

1381 TTGCAAGGC CCTAACTTACG GTTACTTATG CCGTAGACA TTCTATGTC CA TTAATAGGC

1441 CGCTGGCAGC GCCCTGGCTA GCAGCACCAG CGGGCCCAAC CCCCTCTGC CCCTATCGT

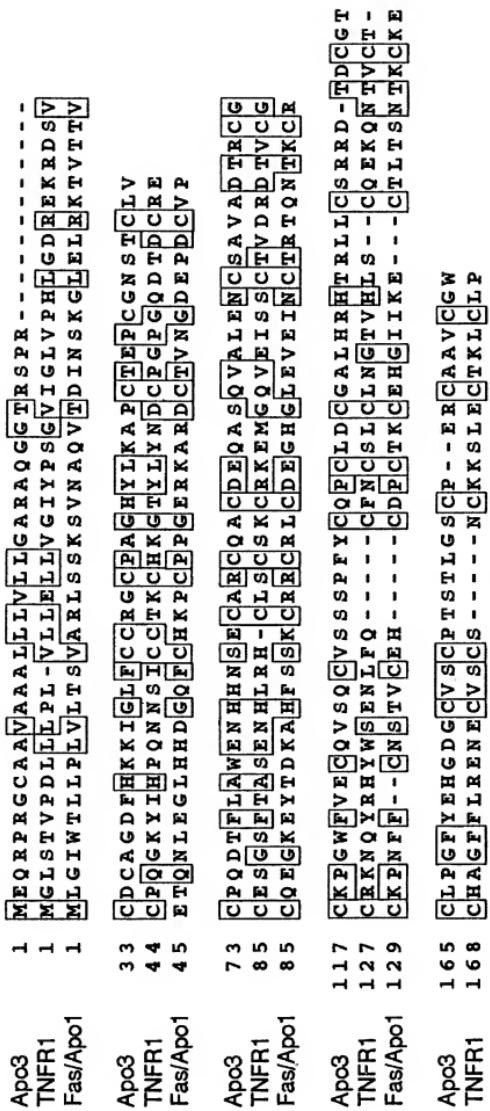
1501 CCAGCCTAGG CGAGAAGCA CGAACGATG TGAGAGGG GTGAGAGCAT TTCTCAACTT

1561 CTCGGCCGGA GTTGGCTGA GATCGGGTA TAAATCTGT GAAAGAAAC AAAAAAAA

1621 AAAAAAAA AAAA

## FIG. 4C

**FIG. 5**



# FIG. 6

Apo3	3 3 8	VMDAVPAPRWWK[EFVRTGLREAEI[EAVEVEIGR- -F RD Q Q Y E
TNFR1	3 3 3	V V EN V P P L R W K [E F V R R L G S D H E I D R L E L Q N G R - C L R E A Q Y S
Fas/Apo1	2 2 0	I A G V M T L S Q V K G F V R K N G V N E A K I D E I K N D N V Q D T A E Q K V - Q
FADD	1 0 4	I C D N V G K - D W R R L A R Q L K V S D I K I D S I E D R Y P E N I T E R V R E
TRADD	2 1 1	N R P L S L K - D Q Q I E A R S V G [K W R K V G R - S L Q R G C R A I L E D P A L D
RIP	2 9 1	I R E N I G K - H W K N C A R K I G F T Q S A I D E I D H D Y E E D G L K E K V Y Q
Reaper	1	M A V A F Y I P D Q A T I L R E A Q K E Q T I R - L R E S Q W R
Apo3	3 7 8	M L K E W R Q Q P - - [A G L G A V V A A L E R M G L - D G C V E D L R S
TNFR1	3 7 4	M L A T W R E T P R R E A T L E L [G R V L R D M D L - I G C L E D I E E
Fas/Apo1	2 6 1	I L R N W H O L H G - K K E A Y D T L I K D I K K A N L C T L A - E K I Q T
FADD	1 4 4	S L R I W K N T E - K E N A T V A H L V G A R L R S C - - Q M N I V A D L V
TRADD	2 5 1	S L A V E Y E R E G I L Y E Q A F Q I L R R F V - Q A E G R R A T L O R L V E
RIP	3 3 2	M L Q K W V M R E G I K G A T V G K L A Q A L H Q C - - S R I D L L S L T
Reaper	3 4	F L A T V V L E T L K O Y T S C H I P K T G R K S G K Y R K P

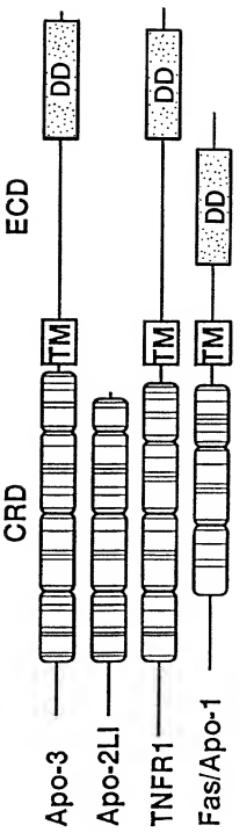


FIG. 7

1 2 3

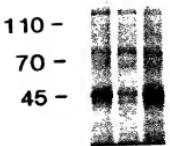


FIG. 8

1 2 3 4 5 6 7 8 9

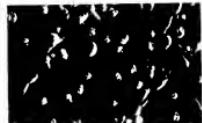


FIG. 10

**FIG. 9A**



**FIG. 9B**



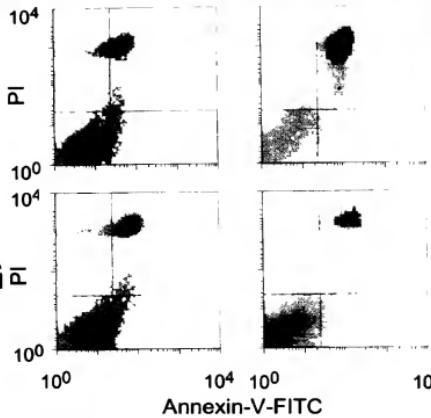
**FIG. 9C**



**FIG. 9D**

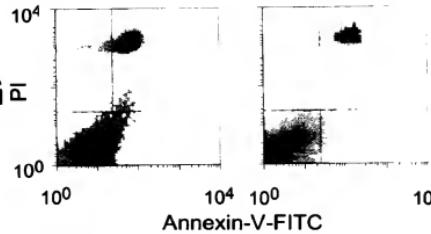


**FIG. 9E**



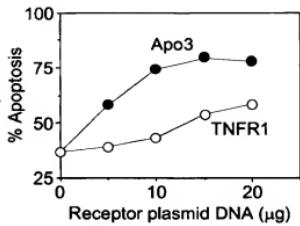
**FIG. 9F**

**FIG. 9G**



**FIG. 9H**

**FIG. 9I**



**FIG. 9J**

Transfection

PRK5  
TNFR1  
Apo-3

▲ Phospho-C-Jun

FIG. 11

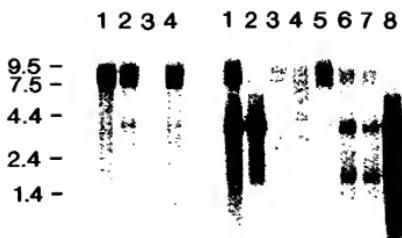


FIG. 12